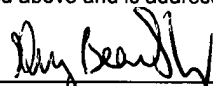


PATENT  
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<u>Guy Beardsley</u> Printed name of person mailing correspondence	 Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Bruce A. Littlefield et al.	Art Unit:	Not yet assigned
Serial No.:	Not Yet Assigned	Examiner:	Not yet assigned
Filed:	October 16, 2003	Customer No.:	21559
Title:	Methods and Compositions for Use in Treating Cancer		

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INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO 1449.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

Under 35 U.S.C. § 120, this application relies on the earlier filing dates of Patent Application Serial No. 10/272,167, filed October 16, 2002, which is a continuation-in-part of, and claims priority from, U.S. Patent Application Serial No. 09/843,617, filed April 26, 2001 (now U.S. Patent No. 6,469,182), which is a continuation of U.S. Patent Application Serial No.

09/677,485, filed October 2, 2000 (now U.S. Patent No. 6,365,759), which is a continuation of U.S. Patent Application Serial No. 09/334,488, filed June 16, 1999 (now U.S. Patent No. 6,214,865), which claims priority from U.S. Provisional Patent Application Serial No. 60/089,682, filed June 17, 1998 (now abandoned). The following references were submitted to the Office in the prior applications and, therefore, copies of these references are not provided for this application:

5,338,865	8/16/94	Kishi et al.
5,436,238	7/25/95	Kishi et al.
6,214,865	4/10/01	Littlefield et al.
6,365,759	4/2/02	Littlefield et al.
6,469,182	10/22/02	Littlefield et al.
0 572 109 A1	01.12.93	Europe
WO 93/17690	16.09.93	PCT

Aicher et al., "Total Synthesis of Halichondrin B and Norhalichondrin B," J. Am. Chem. Soc. 114:3162-3164, 1992.

Horita et al., "Synthetic Studies of Halichondrin B, an Antitumor Polyether Macrolide Isolated from a Marine Sponge. 8. Synthesis of the Lactone Part (C1-C36) via Horner-Emmons Coupling Between C1-C15 and C16-C36 Fragments and Yamaguchi Lactonization," Tetrahedron Letters 38:8965-8968, 1997.

Stamos et al., "New Synthetic Route to the C.14-C.38 Segment of Halichondrins," J. Org. Chem. 62:7552-7553, 1997.

This statement is being filed with the application.

Although no charges are believed to be due, if there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: October 16, 2003

Susan M. Michaud  
Susan M. Michaud, Ph.D.  
Reg. No. 42,885

Clark & Elbing LLP  
101 Federal Street  
Boston, MA 02110  
Telephone: 617-428-0200  
Facsimile: 617-428-7045

SUBSTITUTE FORM PTO-1449 (MODIFIED)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 C.F.R. § 1.98(b))		Attorney Docket No. 04520/029002  Serial No. Not Yet Assigned  Applicant Bruce A. Littlefield et al.  Filing Date October 16, 2003  Group Not yet assigned  IDS Filed October 16, 2003  Customer No. 21559				
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
	5,338,865	8/16/94	Kishi et al.			
	5,436,238	7/25/95	Kishi et al.			
	6,214,865	4/10/01	Littlefield et al.			
	6,365,759	4/2/02	Littlefield et al.			
	6,469,182	10/22/02	Littlefield et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	0 572 109 A1	01.12.93	Europe			
	WO 93/17690	16.09.93	PCT			
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
	Aicher et al., "Total Synthesis of Halichondrin B and Norhalichondron B," J. Am. Chem. Soc. 114:3162-3164 (1992).					
	Horita et al., "Synthetic Studies of Halichondrin B, an Antitumor Polyether Macrolide Isolated from a Marine Sponge. 8. Synthesis of the Lactone Part (C1-C36) via Horner-Emmons Coupling Between C1-C15 and C16-C36 Fragments and Yamaguchi Lactonization," Tetrahedron Letters 38:8965-8968 (1997).					
	Stamos et al., "New Synthetic Route to the C.14-C.38 Segment of Halichondrins," J. Org. Chem. 62:7552-7553 (1997).					
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						